

Oranuch Wongpiyabovorn  
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## EDUCATION

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<i>Ph.D.</i> , Economics, Iowa State University	Expected Spring 2022
Major Professor: Dr. Chad E. Hart	
<i>M.A.</i> , Economics, Thammasat University	Jul 2014
<i>B.A.</i> , Economics, Thammasat University	Oct 2012

## RESEARCH FIELDS

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Agricultural Economics, Environmental Economics

## WORK EXPERIENCES

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PTT Public Company Limited, Thailand	
<i>Analyst – Economic and Industry Research Department</i>	Sep 2015 – Jul 2017
Thailand Development Research Institute, Thailand	
<i>Researcher – Macroeconomic Policy Program</i>	Apr 2014 – Aug 2015
<i>Researcher – Macroeconomic Policy Program (part-time)</i>	Apr 2013 – Mar 2014
<i>Student Intern – Sectoral Economic Program</i>	May – Jun 2012
Bank of Thailand, Thailand	
<i>Student Intern—Economic Intelligence Team, Monetary Policy Group</i>	Mar - May 2011

## WORKING PAPERS

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Pass-through Rates of Corn and Natural Gas Price Changes to Fertilizer Price Changes in the United States ([PDF](#))

## PEER REVIEWED PUBLICATIONS

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**Wongpiyabovorn, O.**, A. Plastina, and J.M. Crespi. 2022. “Challenges to Voluntary Ag Carbon Markets.” *Applied Economic Perspectives and Policy*. Early view. DOI: 10.1002/aep.13254

**Wongpiyabovorn, O.** 2016. “Financial development and economic growth: the cases of Thailand, Malaysia, and the Philippines.” *International Journal of Economic Policy in Emerging Countries*, 9(2), 103-126.

## OUTREACH PUBLICATIONS

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Crespi, J.M., C.E. Hart, C.C. Pudenz, L.L. Schulz, **O. Wongpiyabovorn**, and W. Zhang. 2022. “An Examination of Recent Fertilizer Price Changes.” Staff report 22-SR 117. Center for Agricultural and Rural Development, Iowa State University.

**Wongpiyabovorn, O.,** C. Hart, and J. Crespi. 2022. “Fertilizer Markets: The Clash between Energy, Ag, Weather, Profits, and Policy.” *Agricultural Policy Review*, Winter 2022. Center for Agricultural and Rural Development, Iowa State University.

Plastina, A., **O. Wongpiyabovorn,** and J. Crespi. 2022. “What’s in Store for Voluntary Agricultural Carbon Markets?” *Agricultural Policy Review*, Winter 2022. Center for Agricultural and Rural Development, Iowa State University.

**Wongpiyabovorn, O.,** A. Plastina, and S. Lence. 2021. “Futures Market for Ag Carbon Offsets under Mandatory and Voluntary Emission Targets.” *Agricultural Policy Review*, Fall 2021. Center for Agricultural and Rural Development, Iowa State University.

Plastina, A. and **O. Wongpiyabovorn.** 2021. “How to Grow and Sell Carbon Credits in US Agriculture.” Iowa State University Extension and Outreach, Ag Decision Maker File A1-76.

## PRESENTATIONS

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5. “The Major Causes of Record-high Fertilizer Prices” presented at the ICM Conference 2022, Ames, Iowa, November 30 – December 1, 2022. ([PDF](#), [PPT](#))
4. “Changes in the Relationship between Nitrogen Fertilizer and Natural Gas Prices in the U.S.” paper presented at the 2021 AAEA Annual Meetings, Austin, Texas, August 1-3, 2021.
3. “The Impact of Financial Development of Economic Growth in Thailand, Malaysia, and the Philippines” paper presented at the Asia-Pacific Economic Association Conference 2014, Bangkok, Thailand, July 2014.
2. “The Impact of Financial Development of Economic Growth in Thailand, Malaysia, and the Philippines” paper presented at the Society of Interdisciplinary Business Research – Thammasat 2014 Conference, Bangkok, Thailand, June 2014.
1. “The Impact of Financial Development of Economic Growth in Thailand, Malaysia, and the Philippines” paper presented at the 14<sup>th</sup> International Society for Business Innovation and Technology Management Conference, Phuket, Thailand, May 2014. – Outstanding Paper Award

## FELLOWSHIPS

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Scholarship Program - Bank of Tokyo-Mitsubishi UFJ	2013 - 2014
Scholarship - ISUZU Group Foundation	2012

## RESEARCH EXPERIENCE

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Iowa State University, Ames, IA, USA

### *Research Assistant*

Topic: The role of NRCS in U.S. voluntary carbon market      Mid-Fall 2022 – Spring 2023

Supervisor: Dr. Alejandro Plastina

### *Research Assistant*

Topic: An examination of recent fertilizer price changes      Summer 2022

Supervisor: Dr. John Crespi

*Research Assistant*

Topic: Carbon pricing initiatives in the United States Summer 2021  
Duties: Gathering information, reviewing literature, writing a white paper  
Supervisors: Dr. Alejandro Plastina, Dr. John Crespi

*Research Assistant*

Topic: Downstream effect on team-based learning on Calculus I Fall 2018  
Duties: Cleaning data, running regressions, reviewing literature  
Supervisor: Dr. Darin Wolgemuth

**TEACHING EXPERIENCE**

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Iowa State University, Ames, IA, USA

*Teaching Assistant*

Principles of Microeconomics	F2017, S2018, S2019, F2019, S2020, F2020, S2021, F2021
Principles of Macroeconomics	S2018, S2021
International Economics	S2019
Agricultural Finance	F2019
Introduction to Agricultural Markets	S2022
Ag, Food, and Trade Policy	S2022

Thammasat University, Thailand

*Teaching Assistant*

Introduction to Econometrics	2013
Applied Econometrics	2013
Quantitative Methods for Financial Research	2013
Principles of Macroeconomics	2012
Introduction to Financial Econometrics	2012
Statistics for Economists	2012

**ADDITIONAL INFORMATION**

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- Language: Native in Thai, and Fluent in English
- Computer: STATA, R, Python, ArcGIS Pro, Microsoft Word/ Excel/ Power Point, LaTeX